

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A pet food composition for oral administration comprising an effective amount of an ingredient comprising an admixture of a molecule that stimulates energy metabolism of a cell and an antioxidant in an amount sufficient to improve hair or coat quality of ~~a human or~~ an animal, in an orally acceptable carrier.

Claim 2 (previously presented): A composition according to claim 1, wherein said molecule is selected from the group consisting of L-carnitine, creatine, fatty acids (monounsaturated and polyunsaturated), cardiolipin, nicotinamide and carbohydrate.

Claim 3 (previously presented): A composition according to claim 1 wherein the antioxidant is selected from a source selected from the group consisting of thiols including lipoic acid, cysteine, cystine, methionine, S-adenosyl-methionine, taurine, glutathione or natural sources thereof, a compound that upregulate their biosynthesis in vivo, vitamin C, vitamin E, carotenoids, ubiquinones, tea catechins, coffee extracts containing polyphenols and diterpenes, grape or grape seed extracts rich in proanthocyanidins, spice extracts, soy extracts and other sources of flavonoids with antioxidant activity and ursodeoxycholic acid, ursolic acid, ginseng and gingenosides and natural sources thereof.

Claim 4 (previously presented): A composition according to claim 1 wherein the composition is selected from the group consisting of a pharmaceutical composition, a nutritionally complete pet food and a dietary supplement for animal consumption.

Claim 5 (previously presented): A composition according to claim 1 wherein the composition is selected from the group consisting of a pharmaceutical composition, a nutritionally complete human food, and a dietary supplement for human consumption.

Claim 6 (previously presented): A composition according to claim 1 wherein the composition provides a sufficient amount of the ingredient to stimulate hair growth.

Claim 7 (previously presented): A composition according to claim 1 wherein the composition provides a sufficient amount of ingredient to modulate hair sebum lipid production and/or composition

Claim 8 (previously presented): A composition according to claim 1 comprising at least one of carnitine and an antioxidant.

Claim 9-16 (canceled).

Claim 17 (previously presented): A composition according to claim 1, wherein said molecule is an omega-3 fatty acid.

Claim 18-21 (canceled).